

# TOXFREE<sup>®</sup> MARINE XZ1-K (AS)

The marine power cable.

ACCORDING TO: IEC 60092-353



## APPLICATION

The Toxfree<sup>®</sup> Marine XZ1-K (AS) cable with halogen free is a safety cable. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in marine applications.

- Marine use.
- Public use.

## CONSTRUCTION

### Conductor

Electrolytic annealed copper, class 5 (flexible), according to IEC 60228.

### Insulation

Cross-linked polyethylene type HF XLPE-90 °C according to IEC 60092-360.

The standard identification of insulated conductors is the following:

1 x	Natural
2 x	Blue + Brown
3 x	Brown + Black + Grey
3 G	Blue + Brown + Green/Yellow
4 x	Brown + Black + Grey + Blue
4 G	Brown + Black + Grey + Green/Yellow

5 or more conductors Black numbered

Other colours available on request.

### Outer sheath

Low smoke halogen free polyolefin, type SHF1 according to IEC 60092-360.

Black colour.

## CHARACTERISTICS



### Electrical performance

Low voltage: 0,6/1 kV.



### Thermal performance

Maximum conductor temperature: 90°C.

Maximum short-circuit temperature: 250°C (max 5 s).

Lowest installation temperature: -15°C

Minimum service temperature: -40°C (fixed and protected installations).



### Fire performance

Flame non-propagation according to IEC 60332-1.

Fire non-propagation according to IEC 60332-3-22.

Low smoke halogen free according to IEC 60754-1.

Low corrosive gases emission according to IEC 60754-2.

Low smoke emission according to IEC 61034:

light transmittance > 60%.



### Mechanical performance

Minimum bending radius:

Ø ≤ 25mm 4x cable diameter.

Ø > 25mm 6x cable diameter.

Impact resistance: AG2 medium severity.



### Environmental performance

Chemical & Oil resistance: Good.

UV Resistant according to EN 50618.

Water resistance: AD6 waves.



### Installation conditions

Open Air.

In conduit on a bulkhead.

On a bulkhead.

## STANDARDS / COMPLIANCE



### According to

IEC 60092-353



### Standards and approvals

ABS / DNV-GL / BUREAU VERITAS / LLOYD'S  
REGISTER / CE / RoHS

